

Theoretical Frameworks for Understanding the Interplay Between Emotional Intelligence and Effective Leadership

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Department of Organizational Behavior, University of St. Andrews, UK; Department of Psychology, Moscow State University, Russia

Abstract 2'HYHORSLQJHOHFWURQLFV\VWHPIRUGHWH FWLQJORZHQHUJ\LPSDFWVXVLQJRSHQVRXUFHKDUGZDUHVXFKDV\$UGXL QRLVFKDOOHQJLQJ \$KLJKO\HIILFLHQWORDGFHOOLVGHVVLJQHGDQGIDEULFDWHG\$FRPPHUFLLDO SRO\YLQ\OLGHQHIOXRULGH39')SLH]RHOHFWULFILOPL VXVHGDVSULPDU\ VHQVRUIRUVHQVQLQJVPDOOLPSDFWV:LWKRXPWRGLI\L QJKDUGZDUHWKH \$UGXLQRERDUGLVFRQILJXUHGE\SURJUDPPLQJWRFRDS WXUHWKHVVLJQDO IURPWKHILOPVHQVRUZLWKDUHVROXWLRQEHWWHUW KDQP9%\RXU V\VWHPLPSDFFWHQHUJ\DVORZDV-FRUUHVSRRQGVWRLPSDFWIRUFH RIP1LVUHOLDEO\DQGPRQLWRUHG,QWKHOLQHDUJ]RQH VHQVLWLWY\RI WKHV\VWHPIRXQGWREHDVKLJKDVN9-RU91ZLWKD PHDVXUHPHQWUHTXHQF\RI+]7KHYDULRXVFKDUDFW HULVWLVVXFKDV OLQHDULW\K\VWHUHVLUHSHDWDELOLW\DQGVSHFW UXPDDO\VLVDUHGLVFXVHGH \$IWHUFDOLEUDWLRQPHDVXUHPHQWVRIXQNQRZQLPS DFWHQHUIJ\DQG LPSDFWIRUFHQUHULQYHVWLJDWHGQDQGUHVXOWVDUHI RXQQRWDJUHJZHO

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A.Mechanical Impact Creator

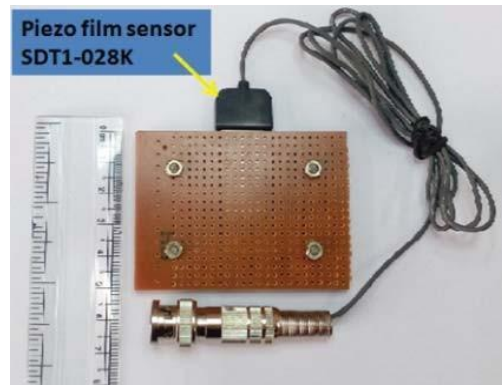
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B.The Sensor and Loadcell

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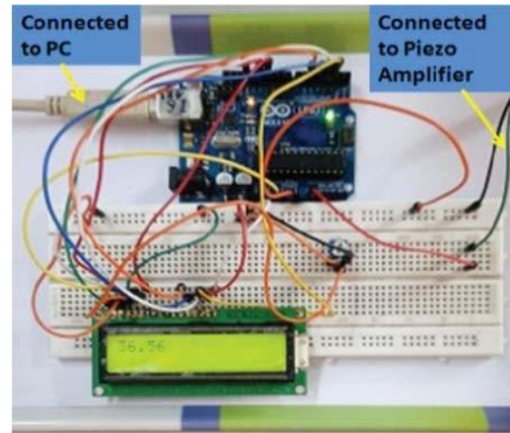
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C.The Electronic System

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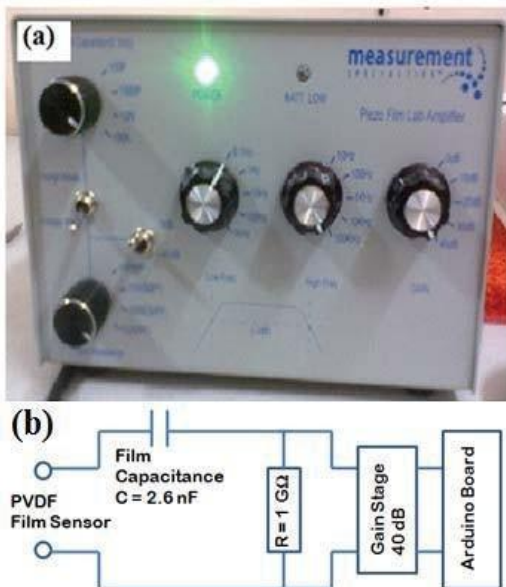
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A.Sensitivity Estimation with Respect to Impact Energy

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B.Hysteresis

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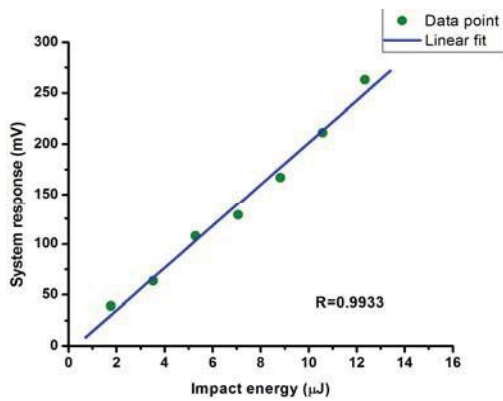
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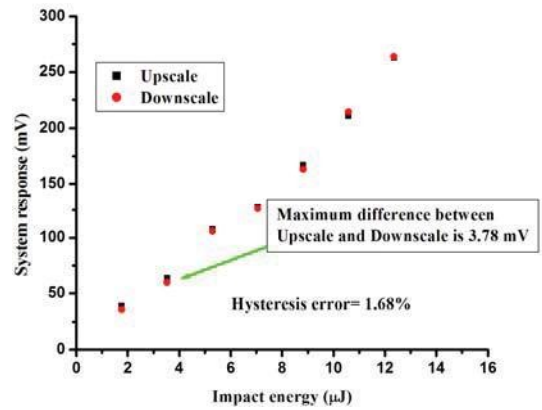
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C.Repeatability

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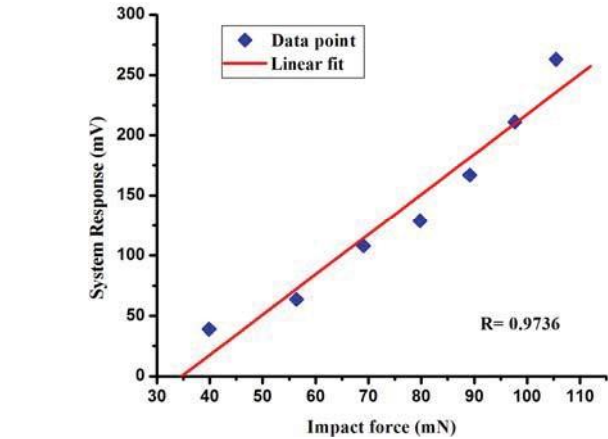
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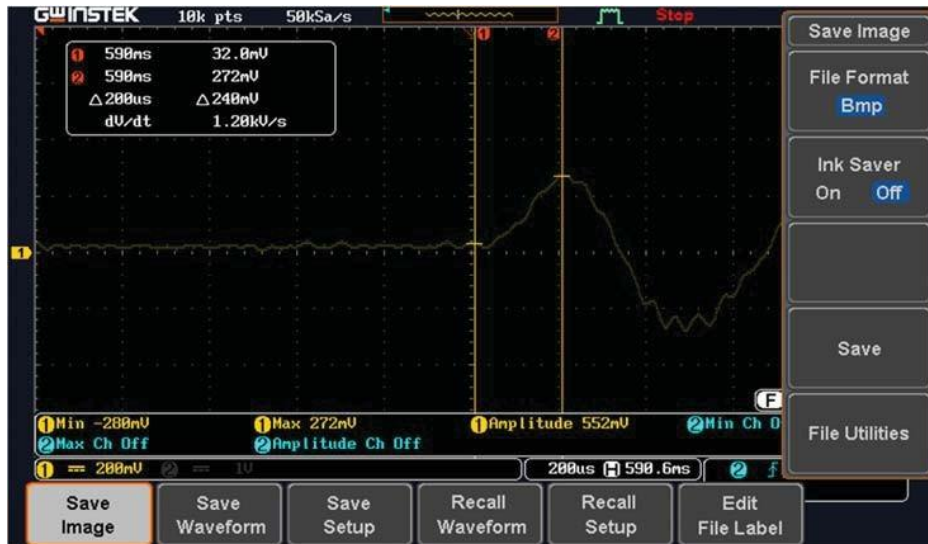
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E.System Integration

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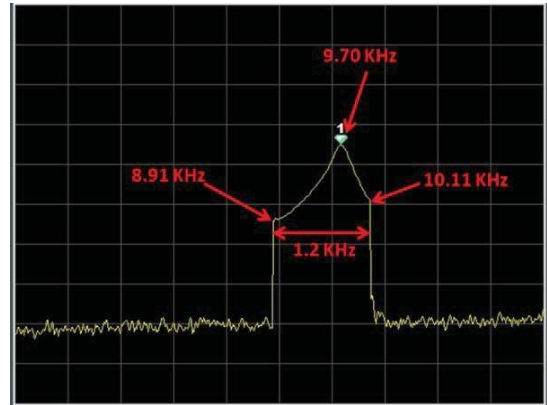
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